Newport's Finest Horses and Turnouts.

The Men and Women Most Distin-preserving their own existence through the hesitation of other fish to touch them. The fish so armed are, as a rule, conspicuous by guished for Their Possession and Their Knowledge of Horseflesh.

Newport in Summer contains the finest collection of horseflesh, as well as the collection of horseflesh as the collectio

VENOMOUS FISHES. They Are Found in Tropical Seas and Their Poison May Be Fatal

There are several species of fish which ave been known to cause the death of

causing the death of their enemies and preserving their own existence through the fish so armed are, as a rule, conspicuous by form and color, and their special organ of defense consists of spines which to them are what the tooth is to serpents. These spines may be simply a modification of existing processes, such as a prolongation of the rays of a fin or may be a special spine

Dr. George W. Hopkins The next necessity consists of removing the oxygen from the culture. One of the methods of doing this consists of placing Writes the Journal Regarding the Powers of the Remedy.

Lockjaw has at last been robbed of its | The death rate in tetanus under the terrors by the scientific development of te- older forms of treatment was so high that tanus germs, a development hitherto con- it was found necessary to secure an anti-

looking little pills. It is one of the deadliest poisons known, one-thousandth part of a drop, taken from a germ culture four weeks old, being enough to cause death

The credit for the germ development is due Dr. George W. Hopkins, of Cleveland, O., although the discovery of the existence of the germ life belongs to a foreign scientist. The story of the capture of the lockjaw germs, of their habitation and of their cultivation is exceedingly interesting. The ploneer in this discovery is Nicolaler, a distinguished Italian investigator, who gathered them from the earth in his garden. Millions of these minute bacilla were contained in every pinch of dust produced by drying out this innocent looking dirt. To still another eminent bacteriologist, named Kitasato, is due the credit of clas sifying the germs thus found, he, after long and careful experiments, learning that they belonged to growth known to scientists as annerobies.

A striking peculiarity of this special class of germs is that they cannot live when sub-jected to the action of oxygen. It is for this reason that they bury themselves in the rich earth of the gardens and flower-beds where the conditions for their growth are perfect. To this habit of the micro-scopical scourge producers is due the fact that every little strip of land tilled contains enough germs to inoculate the entire population of the earth with lockjaw.

In the earlier experiments for the produc-tion of the serum, rabbits and mice were used for inoculative purposes, but in order that a larger and better supply be obtained goats have been pressed into ser-

Dr. Hopkins is now experimenting with two of these animals, which were first put through a special course of treatment in order that they might be healthy and therefore furnish a perfect medium for the propagation of the serum. When tests made mals showed that they were absolutely free from the slightest taint, the goats were inoculated with the full grown germs which had been fed for weeks on beet boullion. In a short time all the well known symptoms of the disease appeared and the animals required the most car ful treatment. Finally they were bled, an the serum injected immediately after the lockjaw set in. The treatment cured the

or lock-jaw germs. Fortunately for the bacteriologist, the tetanus germs possess a characteristic which is very helpful in isolating them. Their spores will resist a temperature of 80 degrees Centigrade, con-FOR LOCKJAW temperature of 80 degrees Centigrade, continued for an hour, while nearly all the other germs perish under these conditions, and it is comparatively easy to then make fresh cultures of pure tetanus germs.

he culture tube in a larger tube, partfally filled with alkaline pyrogallic acid, which absorbs the oxygen from the culture tube. It is then placed in the incubator at even blood heat, and the development is so rapid and the toxines or poisons produced are so virulent that an almost infinitesimal portion of a single drop will produce death in

toxine, which was designed to cure a much

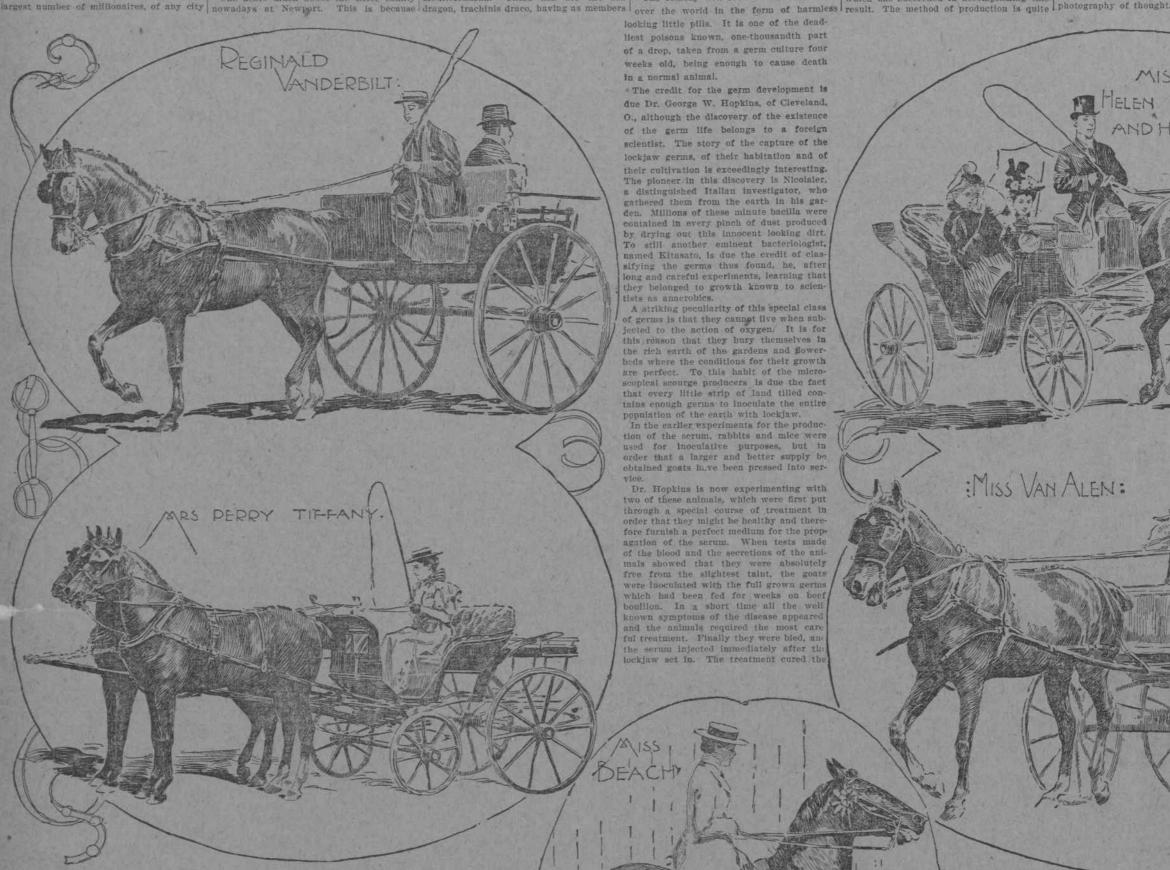
Says He Can Photograph Dreams.

Extraordinary Discovery Which Pictures the Human Mind's Workings During Sleep.

larger portion of the cases treated, and which has succeeded in accomplishing this youd the bounds of possibility than the his experiments in order to establish his

AND HER MOTHER

MISS



struction in driving, and to watch Regional Struction in driving, and to watch Regional Vanderbilt on the avenue or Ocean Drive is a liberal education in how to do it. For some reason or other, the hopes of the Vanderbilt family rest on Reggle. In each generation there has been one member on whom the business mantle of the Vanderbilt, and not his eldest son, Cornellus Vanderbilt, and not his eldest son, Cornellus Vanderbilt, and not his eldest son, Cornellus of milions. Reginald, although very young, is now regarded as the limbertier of the Vanderbilt was perfectly satisfied in the ability of his son Cornellus to grapple with the incubus of milions. Reginald, although very young, is now regarded as the limbertier of the Vanderbilt, has attracted attention by marrying Miss Wilson. Although the satisfied is the second son of Cornellus Vanderbilt, and now coming forward. He has turned seventeen years, and walked in the far base was a large of the size of the fish. The sylne is those scenteen years, and walked in the far base was a fine to to free the professional entertainers the better they were liked by the Brices. Miss overy under the poison prograted as a fine tot of horses, but has attracted with bine and brown, and not unlike a troot in general appearance. Upon each of its gill covers there is situated the spite is grown to all sorts of historic spots, such as Warwick Castis and Struit-General Struit of the comment of the comment of the professional certain the decan Drive at home. All so the spite is good and who lees on e. Though they differ with the capital was perfectly satisfied in the ability of his son Cornellus to grapple with the incubus of milions. Reginald, although they differ the poison produces the same effects. The tracking the poison as a screen like story as the girls whom an attention to the driven out with he ability of the son Cornellus to grapple with the capital roads that lead from Leamington to all sorts of historic spite in the ability of the son Cornellus to grapple with the capital

in the country. Many of the residents are they have become the great entertainers. the scorpaena scro-No one did anything worth talking about pha, which has expert in the handling of horses, and are worthy of illustration.

No one did anything worth taiking about this past Summer but the Brices. One big dinner party followed another at Benulieu, scorosena party solves. The Vanderbilt lads, like those of many and luncheons were of daily occurrence, scorpaena porcus, other cottagers, have owned their own traps Every week there was a crush ten, with scorpaena trushlata. from Infancy. They have had the best in-struction in driving, and to watch Reginald Yanderblit on the avenue or Ocean Drive. Below here liked by the Brices. Mrs.

the drawing room just recently with his Miss Van Alen, who has the prestige of to its free extremity, and this membrane

Any remained in England. She will, as debutante of next Summer.

In sever member of the Havemeyer family is a great ider and driver. Theodore A. Havemeyer himself was one of the earliest members of the Coaching Citt. Carlot, Havemeyer and Theodore A. Havemeyer, with the possible extended in the special control of the coping of the protection of the membrane of the possible extended in the special control of the control of

trachinis areneus; and

covered with a very fine membrane almost

: MISS VAN ALEN:

and the profession at periments.

THE TINIEST BICYCLE GIRL.

Little Margerie Payne, of Tonawanda, N. Y. Is an Expert Wheelwoman at Four Years.

duced by these germs is gradually intro-duced into the bodies of animals until a val-uable anti-toxic substance is produced in he has succeeded in photographing the says M. Radel, "I made the exposure, and,

for the production of been experimenting along these lines for that of a form that the dreamer told ma serum are under the some time, he has kept the results of his on waking he had seen in his dreams. Constant care of a researches from public knowledge hitherto. The time of the exposure of the photoveterinary surgeon, owing to lack of perfect success in his ex- graphic plate being always short, and the

public, will be glad that has never even been attempted, M. many subsequent trials, were generally indistinct, but the outline of the image of the dream could generally be traced.

Of Thyronic and the could generally be traced. Tizzoni and Cut- scientific methods in a domain yet virgin 'mental eye,' if I may so term it, that the

of Tizzoni and Cattani the serum obtained will be preM. Radel's attention was first drawn to pared in solid form the possibility of photographing dreams and preserved indeal- rending the works of Crookes on spiritualism. Spirit photography is not uncommon. be guessed, and are in turn fixed upon the GEORGE W. HOPKINS, M. D. but to a materialistic mind like that of M. highly sensitized place of the camera, Radel its results were not above suspicion

experiment, that such a thing were pos- mind act upon the other so as to produce stble, and step by step he reached this in-teresting and novel conclusion, that the believing witnesses of so-called spiritual ion of Dr. Baraduc, but think that a single has turned seventees years and wastern described flargy from just recently with his satery feetfunger yanger flarge from years from the flarge from years from which the surface and some object which as surface and some object which flarge from years from the flarge from years from which the same state of an octogenation—wan or womantate of an octogenation—was on for her by the same thing, gravigenes, animiquer with the earth. A puncture of the same state of an octogenation—was on for her by the same thing, gravigenes, animiquer with the earth. A puncture of the same state of an octogenation—was on for her by the spine near the polit. At the base of this spine near the polit. At the base of the spine near the polit. At the base of the spine near the polit. At the base of the spine near the polit. At the base of the spine near the polit. At the base of the spine near the polit. At the base of the spine near the polit. At the base of the spine near the polit. At the base of the spine near the polit. At the base of henomena really see nothing with their ether suffices to transport all the effluvia-

similar to that em- The Sunday Journal, some weeks ago. he says, however, it seems that he is workployed in making the diphtheria, anti-tox-ine. The toxine produced by these germs covery, and wishing to establish his own rate he states that he has photographed

workings of a sleeper's brain, which we to my profound surprise, I obtained twice The two goats which call dreams.

have been selected M. Radel states that though he has the person who slept, and superimposed forms of the dreams continually changing, large, as well as the The photography of dreams is something the pictures, in this first instance and in

> images of his dreams are caught. These visions. I believe, exteriorize themselves -rise from the sleeper's brain-in the invisible fluid whose nature as yet can only

He began by assuming, for the sake of unselved is: How, in certain cases, can the

